



PubMed	Nucleotide	Protein	Genome	Structure	PopSet	Taxonomy	OMIM	Books
Search		Nucleotide	for				Go	Clear
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1: D45218. Rice mRNA for pho...[gi:639685]

[Related Sequences](#), [Protein](#), [PubMed](#), [Taxonomy](#), [LinkOut](#)

LOCUS RICPGIB 2009 bp mRNA linear PLN 10-FEB-1999
DEFINITION Rice mRNA for phosphoglucose isomerase (Pgi-b), complete cds.
ACCESSION D45218
VERSION D45218.1 GI:639685
KEYWORDS phosphoglucose isomerase; Pgi-b.
SOURCE Oryza sativa cDNA to mRNA.
ORGANISM Oryza sativa

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Ehrhartoideae; Oryzeae; Oryza.

REFERENCE 1 (bases 1 to 2009)

AUTHORS Uchimiya, H.

TITLE Direct Submission

JOURNAL Submitted (23-JAN-1995) Hirofumi Uchimiya, Institute of Mol. &
Cell. Bioscience, The University of Tokyo, Department of Cellular
Function; 1-1-1 Yayoi, Bunkyo-ku, Tokyo 113, Japan
(E-mail: huchimiy@tansei.cc.u-tokyo.ac.jp,
Tel: 03-3812-2111 (ex. 7844), Fax: 03-3812-2910)

REFERENCE 2 (bases 1 to 2009)

AUTHORS Nozue, F., Umeda, M., Nagamura, Y., Minobe, Y. and Uchimiya, H.

TITLE Characterization of cDNA encoding for phosphoglucose isomerase of
rice (Oryza sativa L.)

JOURNAL DNA Seq. 6 (3), 127-135 (1996)

MEDLINE 96293857

PUBMED 8722567

FEATURES Location/Qualifiers

source

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polyA site

2009

BASE COUNT 539 a 412 c 485 g 573 t

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Revised: October 24, 2001.

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May 24 2002 12:14:27



PubMed	Nucleotide	Protein	Genome	Structure	PopSet	Taxonomy	OMIM	Books		
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1: AF120494. *Arabidopsis thaliana* [gi:6690394]

Related Sequences, Protein, Taxonomy

LOCUS AF120494 4176 bp DNA linear PLN 12-JAN-2000
 DEFINITION *Arabidopsis thaliana* phosphoglucose isomerase precursor (PGI) gene, complete cds; nuclear gene for chloroplast product.
 ACCESSION AF120494
 VERSION AF120494.1 GI:6690394
 KEYWORDS .
 SOURCE thale cress.
 ORGANISM *Arabidopsis thaliana*
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae; eurosids II; Brassicales; Brassicaceae; *Arabidopsis*.
 REFERENCE 1 (bases 1 to 4176)
 AUTHORS Yu, T.S., Lue, W.L., Wang, S.M. and Chen, J.
 TITLE Mutation of *Arabidopsis* chloroplastic phosphoglucose isomerase affects starch synthesis and floral initiation
 JOURNAL Unpublished
 REFERENCE 2 (bases 1 to 4176)
 AUTHORS Yu, T.S., Lue, W.L., Wang, S.M. and Chen, J.
 TITLE Direct Submission
 JOURNAL Submitted (15-JAN-1999) Institute of Molecular Biology, Academia Sinica, Taipei, Taiwan 11529, Republic of China
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 source Location/Qualifiers
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polyA site 4176

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Revised: October 24, 2001.

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Limits		Preview/Index		History		Clipboard		Details
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1: D45217. Rice mRNA for pho...[gi:639683]

[Related Sequences](#), [Protein](#), [PubMed](#), [Taxonomy](#), [LinkOut](#)

LOCUS RICPGIA 2115 bp mRNA linear PLN 10-FEB-1999
 DEFINITION Rice mRNA for phosphoglucose isomerase (Pgi-a), complete cds.
 ACCESSION D45217
 VERSION D45217.1 GI:639683
 KEYWORDS phosphoglucose isomerase; Pgi-a.
 SOURCE Oryza sativa cDNA to mRNA.
 ORGANISM *Oryza sativa*

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
 Ehrhartoideae; Oryzeae; Oryza.

REFERENCE 1 (bases 1 to 2115)

AUTHORS Uchimiya, H.

TITLE Direct Submission

JOURNAL Submitted (23-JAN-1995) Hirofumi Uchimiya, Institute of Mol. &
 Cell. Bioscience, The University of Tokyo, Department of Cellular
 Function; 1-1-1 Yayoi, Bunkyo-ku, Tokyo 113, Japan
 (E-mail: huchimiy@tansei.cc.u-tokyo.ac.jp,
 Tel: 03-3812-2111 (ex. 7844), Fax: 03-3812-2910)

REFERENCE 2 (bases 1 to 2115)

AUTHORS Nozue, F., Umeda, M., Nagamura, Y., Minobe, Y. and Uchimiya, H.

TITLE Characterization of cDNA encoding for phosphoglucose isomerase of
 rice (*Oryza sativa* L.)

JOURNAL DNA Seq. 6 (3), 127-135 (1996)

MEDLINE 96293857

PUBMED 8722567

FEATURES Location/Qualifiers

source

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polyA site

2115

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//

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Nucleotide

PubMed	Nucleotide	Protein	Genome	Structure	PopSet	Taxonomy	OMIM	Books
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Limits		Preview/Index		History		Clipboard		Details
Display	default	Save	Text	Add to Clipboard				

_1: AI726948. BNLGHi6903 Six-da...[gi:5045800]

Taxonomy

IDENTIFIERS

dbEST Id: 2636197
EST name: BNLGHi6903
GenBank Acc: AI726948
GenBank gi: 5045800

CLONE INFO

Clone Id: (5')
DNA type: cDNA

PRIMERS

Sequencing: T3 Primer
PolyA Tail: Unknown

SEQUENCE

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Entry Created: Jun 11 1999
Last Updated: Jun 11 1999

PUTATIVE ID Assigned by submitter
(AF045286) GDP-4-keto-6-deoxy-D-mannose-3
,5-epimerase-4-reductase [Arabidopsis thaliana]

LIBRARY

Lib Name: Six-day Cotton fiber
Organism: Gossypium hirsutum
Cultivar: Acala Maxxa
Tissue type: immature fiber
Develop. stage: Six days post anthesis
Lab host: XL1-Blue
Vector: pBluescript II KS+

SUBMITTER

Name: Ben Burr
Lab: Biology Department
Institution: Brookhaven National Laboratory
Address: Upton, NY 11973, USA
Tel: 516-344-3396

Fax: 516-344-3407
E-mail: burr@bnlux1.bnl.gov

CITATIONS

Title: ESTs from developing cotton fiber
Authors: Blewitt, M., Matz, E.C., Davy, D.F., Burr, B.
Year: 1999
Status: Unpublished

MAP DATA

Revised: October 24, 2001.

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1: AF045286. Arabidopsis thaliana [gi:7596994]

[Related Sequences](#), [Protein](#), [PubMed](#), [Taxonomy](#), [LinkOut](#)

LOCUS AF045286 939 bp DNA linear PLN 19-APR-2000

DEFINITION Arabidopsis thaliana
GDP-4-keto-6-deoxy-D-mannose-3,5-epimerase-4-reductase (GER1) gene,
complete cds.

ACCESSION AF045286

VERSION AF045286.3 GI:7596994

KEYWORDS .

SOURCE thale cress.

ORGANISM Arabidopsis thaliana
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Rosidae; eurosids II; Brassicales; Brassicaceae; Arabidopsis.

REFERENCE 1 (bases 1 to 939)
AUTHORS Bonin,C.P. and Reiter,W.D.
TITLE A bifunctional epimerase-reductase acts downstream of the MUR1 gene
product and completes the de novo synthesis of GDP-L-fucose in
Arabidopsis
JOURNAL Plant J. 21 (5), 445-454 (2000)
MEDLINE 20223138
PUBMED 10758496

REFERENCE 2 (bases 1 to 936)
AUTHORS Bonin,C.P., Potter,I., Vanzin,G.F. and Reiter,W.-D.
TITLE Direct Submission
JOURNAL Submitted (29-JAN-1998) Molecular and Cell Biology, University of
Connecticut, 75 North Eagleville Road, Storrs, CT 06269, USA

REFERENCE 3 (bases 1 to 936)
AUTHORS Bonin,C.P.
TITLE Direct Submission
JOURNAL Submitted (08-OCT-1999) Molecular and Cell Biology, University of
Connecticut, 75 North Eagleville Road, Storrs, CT 06269, USA

REMARK Sequence update by submitter

REFERENCE 4 (bases 1 to 939)
AUTHORS Reiter,W.-D.
TITLE Direct Submission
JOURNAL Submitted (19-APR-2000) Molecular and Cell Biology, University of
Connecticut, 75 North Eagleville Road, Storrs, CT 06269, USA

REMARK Sequence update by submitter

COMMENT On Apr 19, 2000 this sequence version replaced gi:6016478.

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BASE COUNT 229 a 190 c 240 g 280 t
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PubMed	Nucleotide	Protein	Genome	Structure	PopSet	Taxonomy	OMIM	Books
Search Nucleotide <input type="text"/> for <input type="text"/>							Go	Clear
Limits		Preview/Index		History		Clipboard		Details
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1: AF076484. Arabidopsis thaliana [gi:3598957]

Related Sequences, Protein, Taxonomy, LinkOut

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 DEFINITION Arabidopsis thaliana GDP-mannose pyrophosphorylase (GMP1) mRNA, complete cds.
 ACCESSION AF076484
 VERSION AF076484.1 GI:3598957
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 SOURCE thale cress.
 ORGANISM Arabidopsis thaliana
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae; eurosids II; Brassicales; Brassicaceae; Arabidopsis.

REFERENCE 1 (bases 1 to 1490)
 AUTHORS Weers,B. and Thornburg,R.
 TITLE Characterization of the cDNA and Gene for the Arabidopsis thaliana GDP-Mannose Pyrophosphorylase (Accession No. AF076484). (PGR98-175)
 JOURNAL Plant Physiol. 118 (3), 1101 (1998)

REFERENCE 2 (bases 1 to 1490)
 AUTHORS Weers,B. and Thornburg,R.W.
 TITLE Direct Submission
 JOURNAL Submitted (07-JUL-1998) Biochemistry and Biophysics, Iowa State University, Ames, IA 50011, USA

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Protein

Genome

Structure

PopSet

Taxonomy

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Details

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default



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Text

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1: AF022716. Solanum tuberosum...[gi:4103323]

Protein, Taxonomy

LOCUS AF022716 1478 bp mRNA linear PLN 05-JAN-1999
DEFINITION Solanum tuberosum GDP-mannose pyrophosphorylase (Gmp) mRNA,
complete cds.
ACCESSION AF022716
VERSION AF022716.1 GI:4103323
KEYWORDS .
SOURCE potato.
ORGANISM Solanum tuberosum
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Asteridae; euasterids I; Solanales; Solanaceae; Solanum.
REFERENCE 1 (bases 1 to 1478)
AUTHORS Keller, R., Kossmann, J. and Willmitzer, L.
TITLE Direct Submission
JOURNAL Submitted (03-SEP-1997) MPI fuer Molekulare Pflanzenphysiologie,
Karl-Liebknecht-Str. 25, Haus 20, Golm 14476, Germany
FEATURES Location/Qualifiers
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Taxonomy

IDENTIFIERS

dbEST Id: 2635998
EST name: BNLGHi6495
GenBank Acc: AI726749
GenBank gi: 5045601

CLONE INFO

Clone Id: (5')
DNA type: cDNA

PRIMERS

Sequencing: T3 Primer
PolyA Tail: Unknown

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Entry Created: Jun 11 1999
Last Updated: Jun 11 1999

PUTATIVE ID Assigned by submitter
(AC004665) putative phosphomannomutase [Arabidopsis thaliana
]

LIBRARY

Lib Name: Six-day Cotton fiber
Organism: Gossypium hirsutum
Cultivar: Acala Maxxa
Tissue type: immature fiber
Develop. stage: Six days post anthesis
Lab host: XL1-Blue
Vector: pBluescript II KS+

SUBMITTER

Name: Ben Burr
Lab: Biology Department
Institution: Brookhaven National Laboratory
Address: Upton, NY 11973, USA
Tel: 516-344-3396

Fax: 516-344-3407
E-mail: burr@bnlux1.bnl.gov

CITATIONS

Title: ESTs from developing cotton fiber
Authors: Blewitt, M., Matz, E.C., Davy, D.F., Burr, B.
Year: 1999
Status: Unpublished

MAP DATA

Revised: October 24, 2001.

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Nucleotide

PubMed	Nucleotide	Protein	Genome	Structure	PopSet	Taxonomy	OMIM	Books		
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Display	default	▼	Save	Text	Add to Clipboard					

1: AC004665. Arabidopsis thaliana [gi:20197203]

[Related Sequences](#), [Protein](#), [Taxonomy](#), [LinkOut](#)

LOCUS AC004665 101647 bp DNA linear PLN 11-MAR-2002
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 ACCESSION AC004665
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 SOURCE thale cress.
 ORGANISM Arabidopsis thaliana
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
 REFERENCE 1 (bases 1 to 101647)
 AUTHORS Rounsley, S.D., Lin, X., Ketchum, K.A., Crosby, M.L., Brandon, R.C., Sykes, S.M., Kaul, S., Mason, T.M., Kerlavage, A.R., Adams, M.D., Somerville, C.R. and Venter, J.C.
 JOURNAL Unpublished
 REFERENCE 2 (bases 1 to 101647)
 AUTHORS Lin, X.
 TITLE Direct Submission
 JOURNAL Submitted (09-MAR-2000) The Institute for Genomic Research, 9712 Medical Center Dr., Rockville, MD 20850, USA
 REFERENCE 3 (bases 1 to 101647)
 AUTHORS Town, C.D. and Kaul, S.
 TITLE Direct Submission
 JOURNAL Submitted (27-FEB-2002) The Institute for Genomic Research, 9712 Medical Center Dr., Rockville, MD 20850, USA, cdtown@tigr.org
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 /note="F4I18.1; predicted by genscan and genefinder"
 mRNA complement(join(<150..266,437..1744,1868..3142,3440..>3568))
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